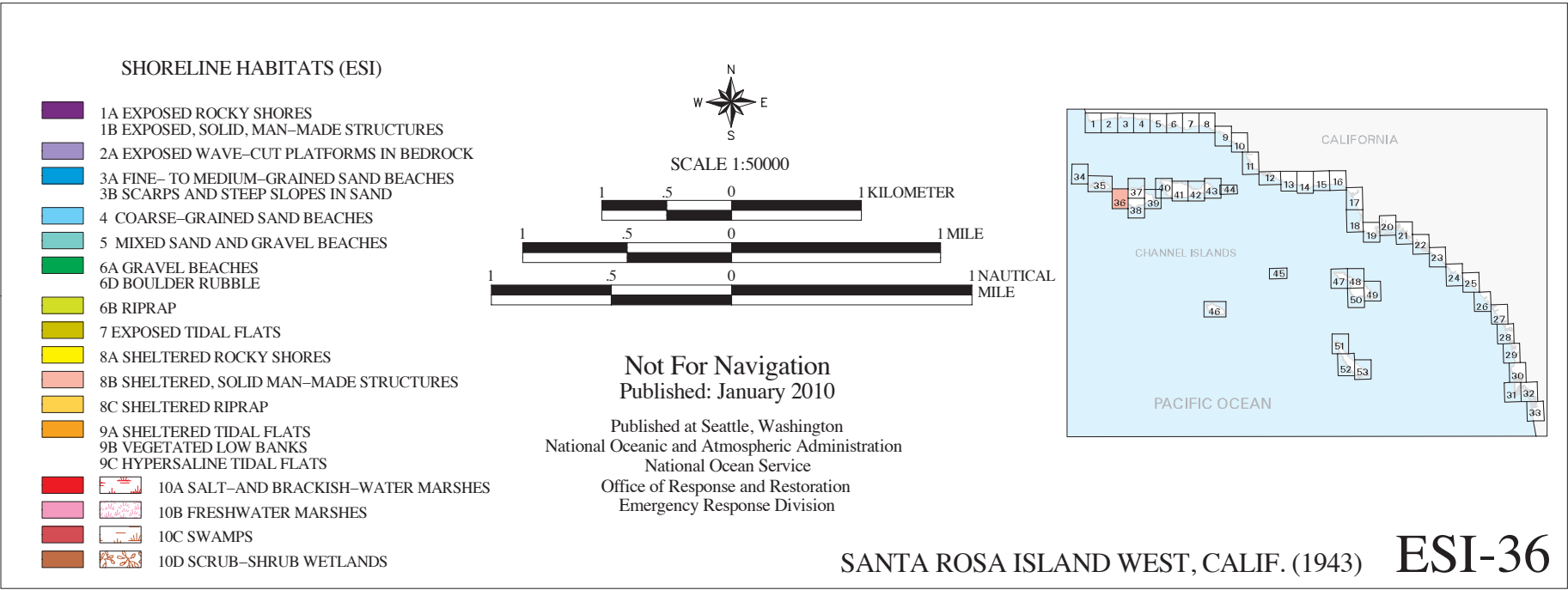
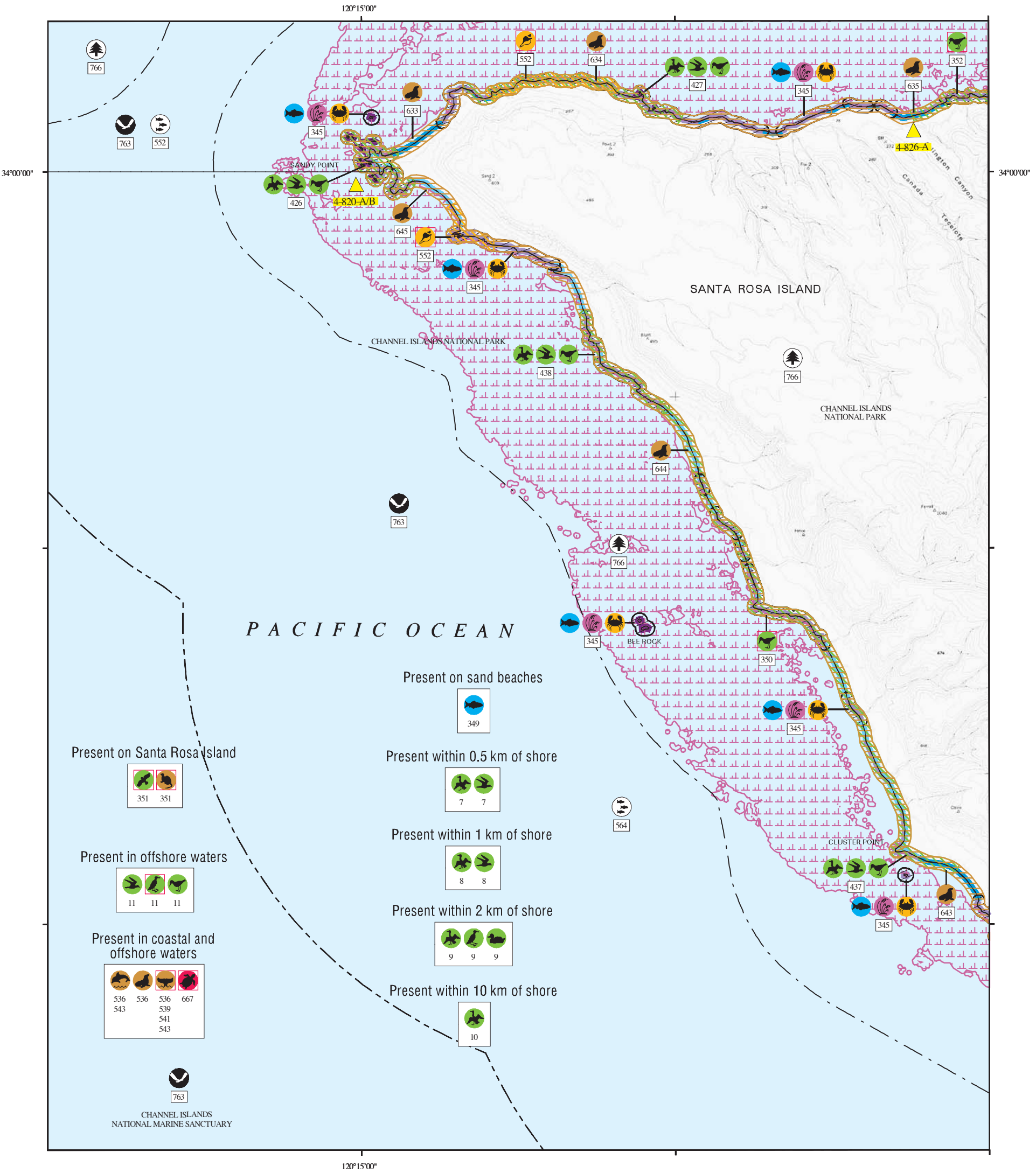


ENVIRONMENTAL SENSITIVITY INDEX MAP



Southern California: ESIMAP 36

BIOLOGICAL RESOURCES:

BIRD:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Migrating	Molting
7	Common loon		X X X X X X X X X	-	-	-
	Elegant tern		X X X X X X X X X	-	-	-
	Pacific loon		X X X X X X X X X	-	-	-
8	California gull		X X X X X X X X X	-	-	-
	Double-crested cormorant		X X X X X X X X X	-	-	-
	Heermann's gull		X X X X X X X X X	-	-	-
9	Pigeon guillemot		X X X X X X X X X	-	-	-
	Surf scoter		X X X X X X X X X	-	-	-
	Western grebe		X X X X X X X X X	-	-	-
10	Brandt's cormorant		X X X X X X X X X	-	-	-
	Brown pelican		X X X X X X X X X	-	-	-
	Pelagic cormorant		X X X X X X X X X	-	-	-
11	Ashy storm-petrel	C	X X X X X X X X X	-	-	-
	Black-legged kittiwake		X X X X X X X X X	-	-	-
	Black-vented shearwater		X X X X X X X X X	-	-	-
	Cassin's auklet	C	X X X X X X X X X	-	-	-
	Northern fulmar		X X X X X X X X X	-	-	-
	Pink-footed shearwater		X X X X X X X X X	-	-	-
	Red phalarope		X X X X X X X X X	-	-	-
	Red-necked phalarope		X X X X X X X X X	-	-	-
	Rhinoceros auklet		X X X X X X X X X	-	-	-
	Sooty shearwater		X X X X X X X X X	-	-	-
	Western gull		X X X X X X X X X	-	-	-
	Xantus's murrelet	T	X X X X X X X X X	-	-	-
350	Western snowy plover	C T 100 BIRDS	X X X X X X X X X	-	-	-
351	Bald eagle	E	X X X X X X X X X	-	-	-
	Osprey		X X X X X X X X X	-	-	-
	Peregrine falcon		X X X X X X X X X	-	-	-
352	Western snowy plover	C T 4 BIRDS	X X X X X X X X X	MAR-SEP	-	-
426	Black oystercatcher	3	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	241	X X X X X X X X X	APR-JUN	-	-
	Pelagic cormorant	24	X X X X X X X X X	APR-JUN	-	-
	Western gull	6	X X X X X X X X X	FEB-SEP	-	-
427	Black oystercatcher	2	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	823	X X X X X X X X X	APR-JUN	-	-
	Pelagic cormorant	84	X X X X X X X X X	APR-JUN	-	-
	Western gull	30	X X X X X X X X X	FEB-SEP	-	-
437	Black oystercatcher	1	X X X X X X X X X	MAR-SEP	-	-
	Brandt's cormorant	3	X X X X X X X X X	APR-JUN	-	-
	Pelagic cormorant	29	X X X X X X X X X	APR-JUN	-	-
	Western gull	10	X X X X X X X X X	FEB-SEP	-	-
438	Black oystercatcher	1	X X X X X X X X X	MAR-SEP	-	-
	Pelagic cormorant	18	X X X X X X X X X	APR-JUN	-	-
	Western gull	2	X X X X X X X X X	FEB-SEP	-	-

FISH:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
345	Rocky intertidal fish		X X X X X X X X X	-	-	-	-	-
349	California grunion	POSSIBLE RUNS	X X X X X X X X X	MAR-AUG	MAR-SEP	MAR-SEP	MAR-SEP	JAN-DEC

HABITAT:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
345	Rocky intertidal plants		X X X X X X X X X

INVERTEBRATE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Spawning	Eggs	Larvae	Juveniles	Adults
345	Rocky intertidal invertebrates		X X X X X X X X X	-	-	-	-	-
552	Black abalone	E	X X X X X X X X X	-	-	-	-	-

MARINE MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Mating	Calving	Pupping	Molting
536	Bottlenose dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	California sea lion	PRIMARY	X X X X X X X X X	-	-	-	AUG-SEP
	Dall's porpoise	PRIMARY	X X X X X X X X X	-	-	-	-
	Dall's porpoise	SECONDARY	X X X X X X X X X	-	-	-	-
	Killer whale	PRIMARY	X X X X X X X X X	-	-	-	-
	Minke whale	PRIMARY	X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Northern right-whale dolphin	SECONDARY	X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Pacific white-sided dolphin	SECONDARY	X X X X X X X X X	-	-	-	-
	Risso's dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Short-beaked common dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
	Short-finned pilot whale	RARE	X X X X X X X X X	-	-	-	-
	Striped dolphin	RARE	X X X X X X X X X	-	-	-	-
539	Baird's beaked whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Cuvier's beaked whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Mesoplodont beaked whales	SECONDARY	X X X X X X X X X	-	-	-	-
	Sperm whale	E SECONDARY	X X X X X X X X X	-	-	-	-
541	Blue whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Blue whale	E RARE	X X X X X X X X X	-	-	-	-
	Bryde's whale	RARE	X X X X X X X X X	-	-	-	-
	Fin whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Fin whale	E SECONDARY	X X X X X X X X X	-	-	-	-
	Humpback whale	E PRIMARY	X X X X X X X X X	-	-	-	-
	Humpback whale	E SECONDARY	X X X X X X X X X	-	-	-	-
	North Pacific right whale	E RARE	X X X X X X X X X	-	-	-	-
543	Gray whale	PRIMARY	X X X X X X X X X	-	-	-	-
	Gray whale	RARE	X X X X X X X X X	-	-	-	-
	Gray whale	SECONDARY	X X X X X X X X X	-	-	-	-
	Long-beaked common dolphin	PRIMARY	X X X X X X X X X	-	-	-	-
633	Northern elephant seal	341 INDIV.	X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	1-13 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
634	California sea lion		X X X X X X X X X	-	-	-	AUG-SEP
	Northern elephant seal	72 INDIV.	X X X X X X X X X	-	-	-	MAR-AUG
	Pacific harbor seal	7-19 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
635	Northern elephant seal	11 INDIV.	X X X X X X X X X	-	-	-	MAR-AUG
643	Northern elephant seal	1559 INDIV.	X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	57-75 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
644	Northern elephant seal	1552 INDIV.	X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	64-104 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL
645	Northern elephant seal	966 INDIV.	X X X X X X X X X	-	-	DEC-MAR	MAR-AUG
	Pacific harbor seal	276-421 INDIV.	X X X X X X X X X	-	-	FEB-MAY	MAY-JUL

Biological information shown on the maps represents known concentration areas or occurrences, but does not necessarily represent the full distribution or range of each species. This is particularly important to recognize when considering potential impacts to protected species.

Southern California: ESIMAP 36 (cont.)

BIOLOGICAL RESOURCES: (cont.)

REPTILE:

RAR#	Species	S F Conc.	J F M A M J J A S O N D	Nesting	Hatching	Interesting	Juveniles	Adults
667	Leatherback sea turtle	E PRIMARY	X X X X X	-	-	-	-	MAR-JUL

TERRESTRIAL MAMMAL:

RAR#	Species	S F Conc.	J F M A M J J A S O N D
351	Santa Rosa island fox	T E	X X X X X X X X X X X X

HUMAN USE RESOURCES:

ACP SENSITIVE SITES:

ACP SITE#	Name	Contact
4-820-A/B	Santa Rosa Island, South West beaches	CDF&G OSPR
4-826-A	Santa Rosa Island, Arlington Canyon Lagoon	CDF&G OSPR

FISHERY AREA:

HUN#	Name	J F M A M J J A S O N D
552	California halibut	X X X X X X X X X X
	California market squid	X X X X X X X X X X
	California sheephead	X X X X X X X X X X
	California spiny lobster	X X X X X X X X
	Dover sole	X X X X X X X X X X
	Kelp bass	X X X X X X X X X X
	Lingcod	X X X X X X X X
	Northern anchovy	X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X
	Pacific angel shark	X X X X X X X X X X
	Pacific bonito	X X X X X X X X X X
	Pacific chub mackerel	X X X X X X X X X X
	Pacific sardine	X X X X X X X X X X
	Ridgeback prawn	X X X X X X X X
	Rock crabs	X X X X X X X X X X
	Rockfish	X X X X X X X X X X
	Sablefish	X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X
	Sea urchins	X X X X X X X X X X
	Shark	X X X X X X X X X X
	Sheep crab	X X X X X X X X X X
	Spot prawn	X X X X X X X X
	Surfperch	X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X
	Tuna	X X X X X X X X X X
	White seabass	X X X X X X X X X X
	Yellowtail	X X X X X X X X X X
564	California halibut	X X X X X X X X X X
	California market squid	X X X X X X X X X X
	California sheephead	X X X X X X X X X X
	California spiny lobster	X X X X X X X X
	Dover sole	X X X X X X X X X X
	Lingcod	X X X X X X X X
	Northern anchovy	X X X X X X X X X X
	Ocean whitefish	X X X X X X X X X X
	Pacific angel shark	X X X X X X X X X X
	Pacific chub mackerel	X X X X X X X X X X
	Pacific sardine	X X X X X X X X X X
	Rock crabs	X X X X X X X X X X
	Rockfish	X X X X X X X X X X
	Sablefish	X X X X X X X X X X
	Sea cucumbers	X X X X X X X X X X
	Sea urchins	X X X X X X X X X X
	Shark	X X X X X X X X X X
	Sheep crab	X X X X X X X X X X
	Spot prawn	X X X X X X X X
	Surfperch	X X X X X X X X X X
	Thornyhead spp.	X X X X X X X X X X
	Tuna	X X X X X X X X X X
	Warty sea cucumber	X X X X X X X X X X
	White seabass	X X X X X X X X X X
	Yellowtail	X X X X X X X X X X

MARINE SANCTUARY:

HUN#	Name	Contact	Phone
763	CHANNEL ISLANDS NMS	NOAA	805/382-6149

NATIONAL PARK:

HUN#	Name	Contact	Phone
766	CHANNEL ISLANDS NATIONAL PARK	NATIONAL PARK SERVICE	805/658-5700